# 590T Series – Electronic Faucet
## With Surface Mount Control Box and Single Inlet Supply

TECK® COMMERCIAL

DELTA

**Specification: (example)**

- Supplied as complete product
- **Battery** (4 'C' cell) or **Hardwire** (24 VAC) infrared electronic handwash system
- **$H_2O$PTICS®** technology – no external adjustments required
- Chrome plated one piece **CAST** Hi-Rise spout with integral sensor
- Adjustable sensing range and timeout
- Audible low battery indicator
- Forged brass solenoid valve
- Single inlet supply

and... with... (specify battery or hardwire)
with... (add spout type required)
with... (add outlet required)
with... (transformer – specify separately – See Back Page)

**590T Series**

**Engineer/Architect Approval**

Model Specified:

Approval: Date:

| DESCRIPTION | PRODUCT NO. | | | | |
|---|---|---|---|---|---|
| **Hardwire** | **590T0** | | | **0** | |
| **Battery Operated** | **590T1** | | | **0** | |
| **Hardwire with Battery Backup** | **590T0** | | | **0** | **-BB** |

C SP® US

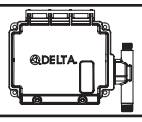
### SPOUT & SENSOR

| | ✔ |
|---|---|
| **0** | ☐ |
| **1** Single Hole Deckmount Hi-Rise Spout with Integral Sensor | ☐ |
| **2** Deckmount Hi-Rise Spout with Integral Sensor and 4" **Forged** Coverplate | ☐ |
| **3** | ☐ |
| **4** | ☐ |
| **5** | ☐ |
| **6** | ☐ |
| **7** | ☐ |
| **8** Deckmount Hi-Rise Spout with Integral Sensor and 8" **Forged** Coverplate | ☐ |
| **9** | ☐ |

### OUTLET

| | ✔ |
|---|---|
| **0** | ☐ |
| **1** | ☐ |
| **2** Vandal Resistant 1.5 USGPM (5.7 L/min.) Laminar w/Agion® Antimicrobial | ☐ |
| **3** Vandal Resistant 1.5 USGPM (5.7 L/min.) Flow Control Aerator | ☐ |
| **4** | ☐ |
| **5** Vandal Resistant 0.5 USGPM (1.9 L/min.) Flow Control Non-Aerating Spray Outlet | ☐ |
| **6** Vandal Resistant 1.0 USGPM (3.8 L/min.) Flow Control Non-Aerating Spray Outlet | ☐ |
| **7** | ☐ |
| **8** | ☐ |
| **9** | ☐ |

### CONTROL BOX

| | ✔ |
|---|---|
| **0** Surface Mounted Control Box – Single Inlet Supply  | ☑ |
| **1** | ☐ |
| **2** | ☐ |
| **3** | ☐ |
| **4** | ☐ |
| **5** | ☐ |
| **6** | ☐ |
| **7** | ☐ |
| **8** | ☐ |
| **9** | ☐ |

Flow Rates are at 60 PSI.

Refer to www.specselect.com for individual models.

Note: Use this page front and back, with specification drawing page referenced above, as product submittal sheets.

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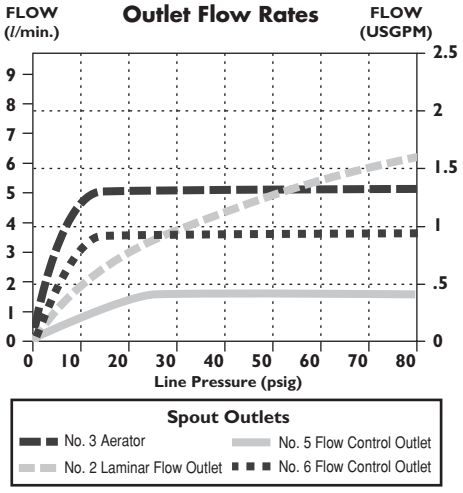
### Approvals:

- CSA certified
- Complies to ASME A112.18.1/CSA B125.1
- Indicates ADA compliance to ICC/ANSI A117.1/ADA
- Verified compliant with 0.25% weighted average Pb content regulations

(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent #6, 826, 455.

### FLOW RATE vs PRESSURE



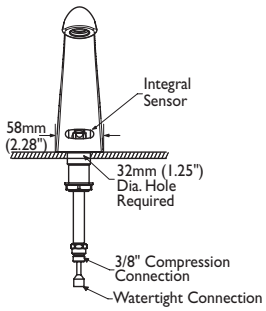

### OPERATION:

- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activiation of sensor.
- Auto shut-off feature that is selectable between 15 to 75 seconds. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 76 to 381mm (3" to 15") factory set to 229 mm (9") (± 1.0")
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.

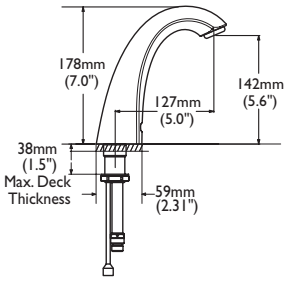
**NOTE: For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.**

Note: Measurements may vary ± 6mm (0.25")

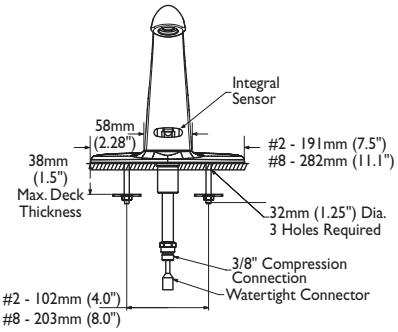
### SPOUT #1



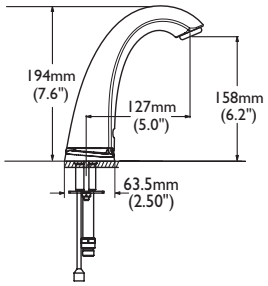

with Outlet #2, 3, 5, 6



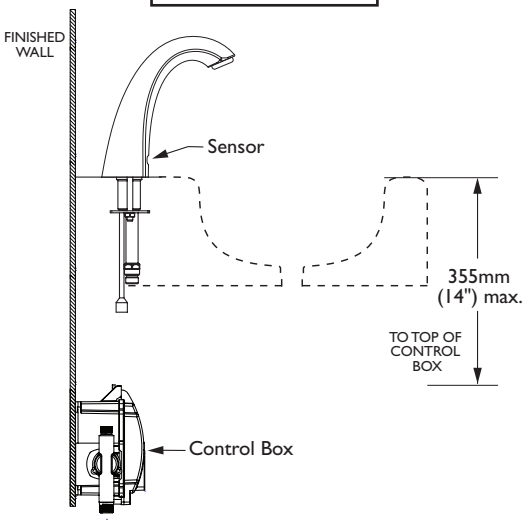

### SPOUT #2 & #8




with Outlet #2, 3, 5, 6




### TYPICAL INSTALLATION




### HARDWIRE WITH BATTERY BACKUP

❑ Add suffix **"-BB"** to Product Number. **See DSP-BB for detailed specification** (found in the "Add-On Option" section when using the printed spec binder).

### OPTIONAL ACCESSORIES:

| ✔ | TRANSFORMERS: | | |
|---|---|---|---|
| | 060704A | 110 to 24VAC Class II 20VA | (Up to 5 Electronic Valves) |
| | 060771A | 110 to 24VAC Class II 40VA | (Up to 10 Electronic Valves) |
| | 060772A | 110 to 24VAC Class II 100VA | (Up to 25 Electronic Valves) |
| ✔ | **CORDS:** | | |
| | 060690A | 36" Cable Extension | |

Refer to www.specselect.com for individual models.
Product supplied as shown by solid lines. All items shown by dotted lines supplied by others.



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## CONTROL BOX DRAWINGS

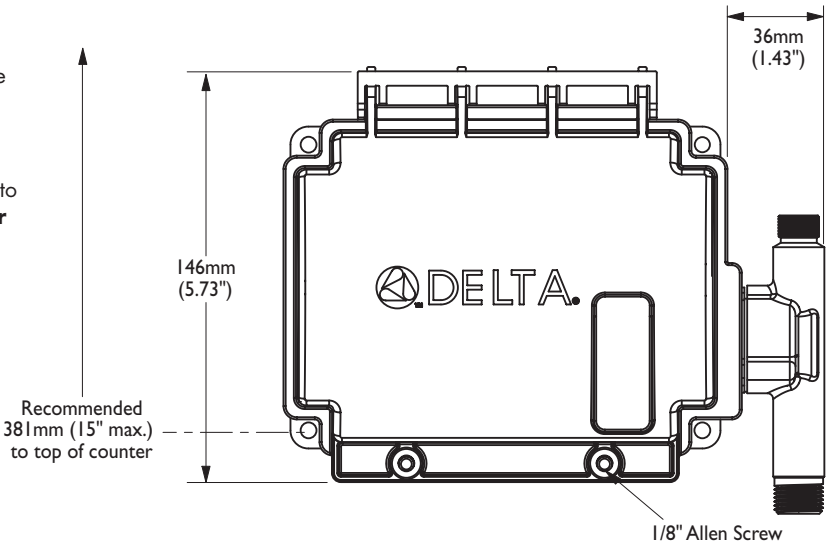
**590T SERIES**

| ✔ | PRODUCT NO. | | | | | VALVE TYPE | COVER |
|---|---|---|---|---|---|---|---|
| | 590T | 0 | | | 0 | Deckmount Handwash Hardwire | Surface Mounted, Vandal Proof Control Housing |
| | 590T | 1 | | | 0 | Deckmount Handwash Battery | Surface Mounted, Vandal Proof Control Housing |

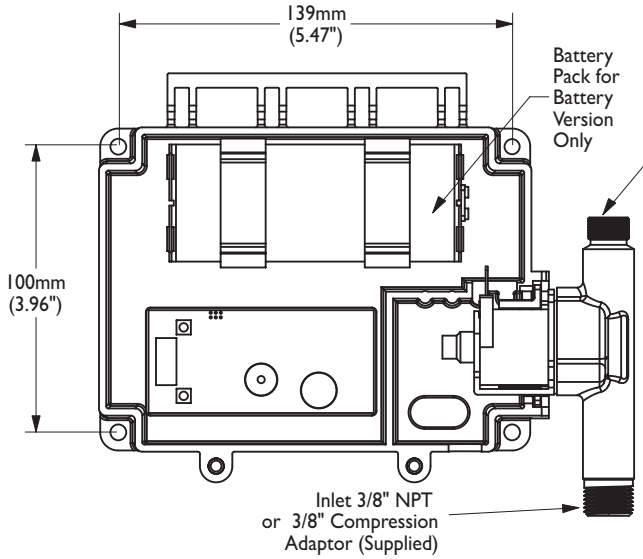
**Battery Version** – Box shown.

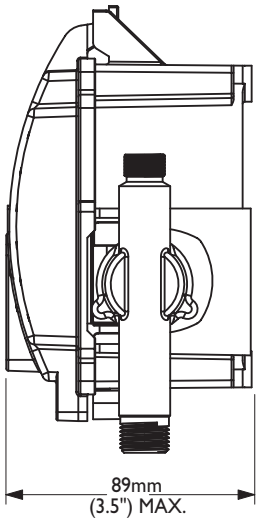
**Hardwire Version** comes complete with Watertight Connector and Hardwire Converter 24VAC to 6VDC.

**Hardwire with Battery Backup (-BB)** comes complete with Watertight Connector, Hardwire Converter 24VAC to 6VDC and 9V battery. **See DSP-BB for detailed specification** (found in the "Add-On Option" section when using the printed spec binder).



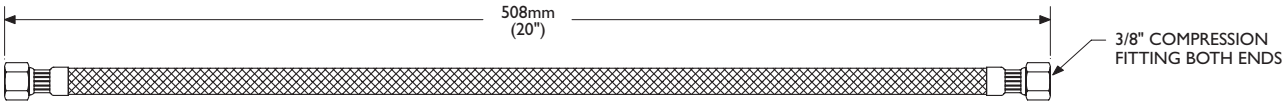

**VANDAL PROOF SURFACE MOUNT CONTROL HOUSING**




Note: Hose connection supplied between Solenoid Valve and Spout

**BRAIDED HOSE**

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